

Product Specification

Product ID: 749 AB/OB/BF - Mirror Gold					
Application: Architectural and Decorative					
Material Specification:					
Alloy: 1090					
Temper: H19					
Mechanical Properties (typical):					
Tensile Strength:	180 N/mm ²		(26,000 psi)	For White Paint:	
Yield Strength:	165 N/mm ²		(24,000 psi)	1T bend:	n/a
Elongation:	4%			1T bend – dry heat:	n/a
Minimum Bend Radii:	1T			0T bend:	n/a
Optical / Anodized Properties:					
Total Reflectance (TR%) ¹ :	% minimum			¹ (Technidyne TR-2 (ASTM 1651-94))	
Distinctness of Image (DI) ² :	80 minimum			² (Hunter Labs D47 Dorigon (ASTM E430-83))	
Specular Reflectance (RS) ² :	n/a			³ (DIN 67530)	
15° Diffuseness (15°) ² :	.05 maximum			⁴ (Byk Gardner Micro Gloss Meter)	
Dr. Lange 60° ³ :	w/g	n/a	a/g	n/a	⁵ (ASTM B137-89)
Gardner 60° Gloss ⁴ :	w/g	n/a	a/g	n/a	⁶ (Hunter Lab mini-Scan XE Plus)
Anodize Film Thickness ⁵ :	2.8 to 3.3 microns (0.00011 to 0.00013 inch)				
Iridescence Rating:	Not Controlled				
Color ⁶ :	L*	80 to 90	a*	-5 to 3	b* 21 to 25
Availability: Sheet and Coil					
Gage:	0.30 to 1.0 mm		(0.012 to 0.040 inch)		
Width:	12.7 to 1250 mm		(0.50 to 49.213 inch)		
Length:	up to 3660 mm		(up to 144 inch)		
Tolerances (standard): (Tighter tolerance may be possible. Contact your sales representative.)					
Gage:	From:	0.25 to 0.40 mm	+/- 0.025 mm	(0.010 to 0.016 inch, +/- 0.001 inch)	
		0.41 to 0.80 mm	+/- 0.040 mm	(0.017 to 0.032 inch, +/- 0.0015 inch)	
		0.81 to 1.00 mm	+/- 0.050 mm	(0.033 to 0.040 inch, +/- 0.002 inch)	
Slit Width:	From:	12.5 to 305 mm	+/- 0.125 mm	(0.5 to 12 inch, +/- 0.005 inch)	
		306 to 610 mm	+/- 0.38 mm	(12.1 to 24 inch, +/- 0.015 inch)	
		611 to 1250 mm	+/- 0.50 mm	(24.1 to 50 inch, +/- 0.020 inch)	
Sheet:	Length:	Up to 1524 mm	+/- 1.0 mm	(Up to 60 inch, +/- 0.040 inch)	
		1525 to 3050 mm	+/- 1.5 mm	(60 to 120 inch, +/- 0.060 inch)	
		3051 to 3660 mm	+/- 2.0 mm	(120 to 144 inch, +/- 0.080 inch)	
	Squareness: ¹	Up to 1200 mm	+/- 0.5 mm	(Up to 48 inch, +/- 0.020 inch)	
		1201 to 2400 mm	+/- 1.0 mm	(49 to 95 inch, +/- 0.040 inch)	
		2401 to 3660 mm	+/- 1.5 mm	(96 to 144 inch, +/- 0.060 inch)	
¹ Difference in diagonals					
Lateral Bow (in one meter):	Width	Under 300 mm: 2.5 mm max.	(Width Under 12 inch: 0.100 inch)		
		Over 300 mm: 1.25 mm max.	(Width Over 12 inch: 0.050 inch)		
Flatness:	Height between waves:	1% of wave length, 8mm (0.32 inch) maximum.			
Burr:	10% of gage	Not to exceed .08 mm (.003 inch)			